

SMOLYAK, L.G.

Urological care provided for the public in Stalino Province (Donets
Basin). Urologiia 23 no.6:71-72 N-D '58. (MIRA 11:12)
(STALINO PROVINCE--UROLOGY)

BOGOSLAVSKIY, R.V., prof., SMOLYAK, L.G., dots., SEMENYUK, I.F., MURAV'YEV, P.M.
student IV kursa

Intravenous urography against a background of retroperitoneum
[with summary in English]. Vestn. 1 rad. 33 no.3:20-22 My-Je '58

1. Iz Gosspital'noy khirurgicheskoy kliniki imeni V.M. Bogoslavskogo
(zav. - prof. R.B. Bogoslavskiy) Stalinskogo meditsinskogo instituta.

(URINARY TRACT, radiography

intravenous urography with retroperitoneum (Rus))

(RETROPERITONEUM, ARTIFICIAL

in intravenous urography, value (Rus))

SMOLYAK, L.G., doktor med. nauk (Stalino (obl.) - 50, ul. Shohorsa, d.23, kv. 36)

Protracted thiopental-alcohol anesthesia. Nov. khir. arkh. no.2:75-81
Mr-Apr '59. (MIRA 12:7)

1. Kafedra gosspital'noy khirurgii (zav. - prof. R. V. Bogoslavskiy)
Stalinskogo meditsinskogo instituta.
(INTRAVENOUS ANESTHESIA)

SMOLYAK, L.G. (g. Stalino, Donbass, 8 liniya, d.158, kv.59); SEMENYUK, I.F.
(g. Stalino, Donbass, 28, ul. Sholokhova, d.15)

Value of diagnostic laparotomy in suspected stomach cancer. Vop.onk.
5 no.5:571-576 '59. (MIRA 12:12)

1. Iz gosptal'noy khirurgicheskoy kliniki im. V.M. Bogoslavskogo
(zav. - prof. R.V. Bogoslavskiy) i rentgenovskogo otdeleniya Oblast-
noy tsentral'noy klinicheskoy bol'nitsy (zav. - I.F. Semenyuk).
(STOMACH NEOPLASMS, diag.
abdom. laparotomy (Rus))

SMOLYAK, L.G., dots.

Biliobronchial fistula. Khirurgiia 35 no.3:88-90 Mr '59.
(MIRA 12:8)

1. Iz gosspital'noy khirurgicheskoy kliniki imeni V.M.Bogoslov-
skogo (zav. - prof. R.V.Bogoslovskiy) Stalinskogo meditsinskogo
instituta.

(BRONCHI, fistula
biliobronchial, surg. (Rus))
(BILIARY TRACT, fistula
same)

SMOLYAK, L.G. (Stalino, ul. Shchorsa, d.23, kv.36); SVIDLER, A.Yu.

Potentiated anesthesia in pediatric surgery. Nov. khir. arkh. no.5:
44-48 S-0 '60. (MIRA 14:12)

1. Kafedra fakul'tetskoy khirurgii i kafedra khirurgii detskogo
vozrasta (zav. - doktor med.nauk L.G.Smolyak) Stalinskogo meditsinskogo
instituta.

(PEDIATRIC ANESTHESIA)

SMOLYAK, L.G.

Views of N.I.Pirogov on penetrating wounds of the thorax in the
light of a modern interpretation. Grud. khir. 3 no.2:121-124 '61.
(MIRA 14:4)

(CHEST--WOUNDS AND INJURIES)
(PIROGOV, NIKOLAI IVANOVICH, 1810-1881)

SMOLYAK, L.G., prof.; SVIDLER, A.Yu.

Use of the "lytic cocktail" in the urological examination of
patients. Urologiia no.5:6-8 '62. (MIRA 15:12)

1. Iz fakul'tetskoy khirurgicheskoy kliniki No.2 i kliniki
khirurgii detskogo vozrasta (zav. - prof. L.G. Smolyak)
Donetskogo meditsinskogo instituta.
(ARTIFICIAL HIBERNATION) (UROLOGY)

SMOLYAK, L.G., prof. (Donetsk, ul. Shchorsa, d.23, kv.36); VINER, Yu.L.

Intravenous thiopental-alcohol anesthesia with controlled respiration.
Vest. khir. 89 no.10:81-87 O '62. (MIRA 17:10)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. L.G. Smolyak)
pediatricheskogo i sanitarno-gigiyenicheskogo fakul'tetov Donetskogo
meditsinskogo instituta na baze 1-y Donetskoy gorodskoy klinicheskoy
bol'nitsy (glavnyy vrach - M.M. Khanovich).

SMOLYAK, L.G., prof. (Donetsk, ul. Sholoren, d.23, kv.36): ALEKIN, N.S.

Suprapubic prevesical retroperitoneum in urological practice.
Klin. khir. no.1:41-44 '65. (MIRA 18:2)

1. 2-ya fakul'tetskaya khirurgicheskaya klinika (zav. - prof.
L.G.Smolyak) Donetskogo meditsinskogo instituta imeni Ger'kogo
na baze 1-y Donetskoy gorodskoy klinicheskoy bol'nitsy.

TIMOFEYeva, T. Ye.; SMOLYAK, L.I.; KLYKACHEV, V.A.; BODRYGIN, G.I.

EKS-1 radiotelemetric double-channel electrocardiospirograph.
Trudy VNIMIO no.3:134-145 '63 (MIRA 18:2)

SHCHLYAK, L. P.

"Natural Restoration of the Principal Tree Varieties in the Arid Areas of the Poleskaya Lowland." Cand Agr Sci, Inst of Forestry, Acad Sci Belorussian SSR, Minsk, 1953. (RZhBiol, No. 8, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SC: Sum. No. 556, 24 Jun 55

Smelyak, L. P.

clown
Morphology and development of the root systems of the self-sown wood varieties grown in the meliorated peat-bog soils of a transitional type. I. D. Yurkevich and L. P. Smolyak. *Izvest. Akad. Nauk Beloruss. S.S.R.* 1955, No. 5, 103-110 (in Russian).—Reference is made to the phys. and chem. (ash 11.1-27.4%; P_2O_5 0.23-0.31, and CaO 0.75-1.50% of the abs. dry substance, resp.) compn. of the meliorated peat-bog soils in the Polesye region, Byelorussia (White Russia).
E. Wierhicki

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USSR/Forestry - Forest Cultivation.

K.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15379

Author : L.P. Smolyak

Inst : Forestry Institute of the Academy of Sciences,
Bielorussian SSR.

Title : A Contribution to the Problem of Forest Renewal on
Meliorated Transitional Swamps.
(K voprosu lesovozobnovleniya na meliorirovannykh
perekhodnykh bolotakh).

Orig Pub : Sb. nauchn. rabot po lesn. kh-vu. In-t lesa. AN BSSR,
1956, vyp. 7, 139-146

Abstract : Afforestation growing for 35 years was studied on three
test areas in the region covered with woods. It was
established satisfactory for the natural renewal of
pine, birch, aspen, oak, alder and especially birch.

Card 1/2

USSR/Forestry - Forest Cultivation.

K.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15379

With adequate amounts of mineral substances in the peat soils having favorable water conditions, the pine-birch woods attain from second to first rating. Meliorated transitional swamp soils are suitable for the propagation of pine, birch, spruce and aspen. On the dried swamps here in the initial stage, their development takes hold and the self-seeding oak grows well, which is useful with oak cultures having pine and spruce.

Card 2/2

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YURKEVICH, I.D., akademik; SMOLYAK, L.P., kadn.sol'skokhozyaystvennykh nauk

Prospects and possibilities for the agricultural and silvicultural
use of herbicides in White Russia. Vestsi AN BSSR. Ser. bial. nav.
no.4:29-35 '57. (MIRA 11:6)

1.AN BSSR (for Yurkevich)
(WHITE RUSSIA--WEED CONTROL)

K

Country : USSR
 Subject : Forestry. Biology. Typology.

Author : Sukhin, N. N. 1958, No. 105507

Editor : Yurkevich, I. D.; Smolyak, L. P.
 Institution : Belorussian Institute of Forest Technology
 Title : Characteristics of Polesie Forest Types and Some Management Measures

Source : So. nauchn. tr. Belorussk. lesotekhn. in-t, 1957, vyp 10, 69-76

Summary : The turf-podzolic and humus-carbonate soils of Polesie are occupied by hornbeam and ash forests. On sod-podzolic soils developed on coarse-grained sands, high site class whortleberry-pine groves are distributed in which water stagnates long on the surface. On poor sandy soils with high ground waters, moss-, red bilberry- and willow osier-pine groves are found. Red bilberry-, moss- and lichen-pine forests do not correspond to similar types in the northern and middle parts of the Belorussian SSR, where the ground waters lie considerably deeper. Quite widespread are whortleberry-oak forests, which occupy the higher places with sandy loam and sandy soils. In all types of oak

1/2

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1. 1. 1. : 1. 1. 1. , No. 13 1958, No. 104507

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1. 1. 1. : foresta Europaealder / Alnus glutinosa Gaertn. is present, and in the gout weed- / Aegopodium podagraria L. and ash-oak forests it may replace oak. The effect of the 1873-1898 melioration on the formation of marshy- and dry-valley biocenoses is observed. The sharp variation of ground water level is strongly reflected in the growth of oak and spruce groves, in the regeneration of alder and spruce, and limits the distribution of the latter in the south of Polesya. The variations in air moisture also contribute to this. A management classification of the most widespread pine and oak forest types is presented and corresponding silvicultural measures are indicated. --L. V. Nesmelov

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6

SMOLYAK, L.P.

Effect of subsurface and surface flooding on the growth of forests.
Sbor.nauch.rab.Bel.otd.VBO no.1:148-153 '59. (MIRA 14:4)
(Forests and forestry) (Water, Underground)

SMOLIYAK, L.P.; OSTROGLAZOV, V.A.; BARKAN, V.A., red.; TSVIRKO, K.A.,
red.; YERMILOV, V.M., tekhn.red.

[Improvement of forest bog and swampy soils by small-scale
drainage network] Melioratsiia lesnykh bolot i zabolochennykh
zemel' melkoi osushitel'noi set'iu. Minsk, Izd-vo Akad.sel'khoz.
nauk BSSR, 1960. 20 p. (MIRA 14:12)
(Drainage)

SMOL'SKIY, N.V.; SMOLYAK, L.P.; MEL'NIKOV, S.S.

Conservation of nature in White Russia. Sbor. nauch. rab.
TSBS no.1:85-92 '60. (MIRA 14:10)
(White Russia—Natural monuments)

SMOLYAK, L.P.; MEL'NIKOV, S.S.

Organizing wildlife preserves in White Russia. Sbor. nauch.
rab. TSBS no.2:159-167 '61. (MIRA 15:7)
(White Russia--Natural resources)

SMOLYAK, L.P.; MUSHINSKAYA, L.G.

Relict plants in White Russia. Sbor. nauch. rab. TSBS no.2:
168-170 '61. (MIRA 15:7)

(White Russia---Botany)

SMOLYAK, L.P.; MOISEYENKO, I.F. [Maiseenka, I.F.]

Anatomical structure of the needles of pine growing in bogs. Vestsi
AN BSSR. Ser. biial. nav. no.3:19-21 '61; (MIRA 14:10)
(PINE) (LEAVES--ANATOMY)

SMOLYAK, L.P.

Effect of the ground-water level on the growth of pine in sandy
soils of Polesye. Sbor. nauch. rab. Bel. otd. VBO no.3:222-224
'61. (MIRA 14:12)

(Pinsk Province--Pine)
(Water, Underground)

NESTEROVICH, M.D. [Nestsiarovich, M.D.], akademik; SMOLYAK, L.P., starshiy
nauchnyy sotrudnik

Ivan Danilavich Iurkevich; on his 60th birthday. Vestsi AN BSSR.
Ser.bial.nav. no.2:122-133 '62. (MIRA 15:8)

1. AN BSSR (for Nesterovich).
(IURKEVICH, IVAN DANILAVICH, 1902-)

SMOLYAK, L.P.; POBELOV, V.S.

Effect of the level of underground water on the requirement of mineral substances by pine from soil. Dokl. AN BSSR 7 no.9: 624-627 S '63. (MIRA 17:1)

1. Institut biologii AN BSSR. Predstavleno akademikom AN BSSR I.D. Yurkevichem.

YURKEVICH, I.D., red.; MIKHAYLOVSKAYA, V.A., red.; NESTEROVICH,
I.D., red.; RAKHTEYENKO, I.N., red.; SMOLYAK, L.P.,
red.; YAKUSHEV, B.I., red.

[Effect of soil conditions on the growth of woody plants]
Vliianie pochvennykh uslovii na rost drevesnykh rastenii.
Minsk, Izd-vo "Nauka i tekhnika," 1964. 113 p.
(MIRA 17:5)

YUREVICH, I.D. [Iurkevich, I.D.]; SMOLYAK, L.I. [Smaliak, L.P.]

Objectives of some branches of biological sciences in the
light of the resolutions of the December Plenum of the
Central Committee of the CPSU. Vestsi AN BSSR. Ser. biial.
nav. no.1:5-14 '64. (MIRA 17:6)

KOLESHKO, O.I.; SMOLYAK, L.P.; VOYTOVICH, M.K.

Activity of the micro-organisms of the nitrogen cycle in the soils of
drained forest swamps. Bot.; issl. Bel. otd. VBO no.6:95-102 '64.
(MIRA 18:7)

YURKEVICH, I.D.; GEL'TMAN, V.S.; SMOLYAK, L.P.

Problems in phytogeographical cartography of the forest and swamp
vegetation of White Russia. Bot.; issl. Bel. otd. VBO no.6:109-119
'64. (MIRA 18:7)

SMOLYAK, L.P.; KUDRYASHEVA, N.K.

Effect of drainage on the grasses and mosses of oligotrophic
bogs. Bot.; issl.Bel.otd.VBO no.7:173-178 '65. (MIRA 18:12)

SMOLYAK, M.

Some hygienic problems in using gas in everyday life. Med. zhur.
Uzb. no.6:13-16 Je '62. (MIRA 15:7)

1. Nachal'nik upravleniya "Uzbekgaz".

(GAS COOKING) (CARBON MONOXIDE)

BERENSHTEYN, A.L.; SMOLYAK, M.M.

"Transactions of the Central Asiaian Polytechnical Institute,
vol.7 1957." Reviewed by A.L.Berenshtein, M.M.Smoliak. Izv.
vys.ucheb.zav.; pishch.tekh. no.4:168-171 '59.
(MIRA 13:2)

(Sugar manufacture)

SMOLYAK, M.M.

Calculations for apartment gas pipes. Gaz. prom. 4 no.2:40-42
F '59. (MIRA 12:3)
(Gas pipes)

SMOLYAK, M.M.

Standards for gas kitchen ranges. Gaz. prom. 4 no.11:26-28
'59. (MIRA 13:2)
(Stoves, Gas)

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68798
S/020/60/131/01/007/c60

AUTHOR: Smolyak, S.A.

TITLE: ε -Entropy of the $E_s^{\alpha,k}(B)$ and $W_s^{\alpha}(B)$ Classes in Metric L_2

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol 131, Nr 1, pp 30-33 (USSR)

ABSTRACT: Let $E_s^{\alpha,k}(B)$ for $\alpha > \frac{1}{2}$ (and $W_s^{\alpha}(B)$ for $\alpha > 0$) be the class of the complex valued functions $f(x_1, \dots, x_s)$ which have the period 1 in every variable and which can be expanded into a Fourier series convergent in the mean

$$f(x_1, \dots, x_s) = \sum_{m_1=-\infty}^{\infty} c_{m_1 \dots m_s} \exp \left[2\pi i (m_1 x_1 + \dots + m_s x_s) \right]$$

where it is

$$|c_{m_1 \dots m_s}| \leq B \frac{\ln^k (\overline{m}_1 \dots \overline{m}_s) + 1}{(\overline{m}_1 \dots \overline{m}_s)^\alpha}$$

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X

ϵ -Entropy of the $E_s^{\alpha,k}(B)$ and $W_s^{\alpha}(B)$ Classes ⁶⁸⁷⁹⁸ S/020/60/131/01/007/C60
in Metric L_2

H_ϵ denotes the ϵ -entropy in L_2 .

Theorem 2 brings similar but more complicated estimations for $H_\epsilon(E_s^{\alpha,k}(B))$.

The author thanks N.M. Korobov and V.I. Arnol'd for advices.
There are 3 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova
(Moscow State University imeni M.V. Lomonosov)

PRESENTED: November 16, 1959, by A.N. Kolmogorov, Academician

SUBMITTED: November 12, 1959

Card 3/3

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69983

S/020/60/131/05/11/069

13, 6500

AUTHOR: Smolyak, S.A.

TITLE: Interpolation and Quadrature Formulas on the W_s^α and E_s^α Classes

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 131, No. 5, pp. 1028-1031

TEXT: Let $W_s^\alpha(1)$ [resp. $E_s^\alpha(1)$] be the class of complex-valued functions $f(x_1, \dots, x_s) = f(x)$ with the period 1 in every variable which can be developed into the Fourier series

$$(1) \quad f(x) = \sum_m c_m e^{2\pi i(m, x)},$$

where $\sum_m |(\bar{m}_1 \dots \bar{m}_s)^\alpha c_m|^2 \leq 0$ (resp. $|c_m| \leq \frac{1}{(\bar{m}_1 \dots \bar{m}_s)^\alpha}$),

$m = (m_1, \dots, m_s)$, $\bar{m} = \max(1, |m|)$.

Let

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Interpolation and Quadrature Formulas on the W_s^α and E_s^α Classes S/020/60/131/05/11/069

$$(3) \begin{cases} \Delta_1(\alpha) = \min_a \inf_{\varphi_k(x) \in L_2} \sup_{f(x) \in W_s^\alpha(1)} \int_0^1 \dots \int_0^1 \left| f(x) - \sum_{k=1}^N f\left(\frac{ka}{N}\right) \varphi_k(x) \right|^2 dx \\ \Delta_2(\alpha) = \min_a \inf_{\varphi_k(x) \in L_2} \sup_{f(x) \in E_s^\alpha(1)} \int_0^1 \dots \int_0^1 \left| f(x) - \sum_{k=1}^N f\left(\frac{ka}{N}\right) \varphi_k(x) \right|^2 dx, \end{cases}$$

where $a = (a_1, \dots, a_s)$.

Theorem 1: It holds

$$(4) \quad \frac{1}{2N^\alpha} \leq \Delta_1(\alpha) \leq C(\alpha, s) \frac{\ln^{\alpha(2s-1)} N}{N^\alpha}$$

for $\alpha \geq 1$, $s \geq 2$. The upper estimation holds for N - prime number. 

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Interpolation and Quadrature Formulas on the
 W_3^α and E_3^α Classes

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Theorem 2 gives a somewhat weaker estimation for $\Delta_2(\alpha)$ than the preceding paper of V.S.Ryaben'kiy (Ref.3).

Theorem 3 uses the above results for the error estimation of a quadrature formula for weighted functions.

There are 3 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova
(Moscow State University imeni M.V.Lomonosov)

PRESENTED: December 20, 1959, by A.M.Kolmogorov, Academician

SUBMITTED: December 14, 1959

X

Card 3/3

S/020/63/148/005/008/029
B112/B186

AUTHOR: Smolyak, S. A.

TITLE: Quadrature and interpolation formulas on tensor products of certain classes of functions

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 5, 1963, 1042-1045

TEXT: Those s-fold tensor products K^s of a linear space K are considered for which the relation $\|\tau_1 \otimes \dots \otimes \tau_s\| = \|\tau_1\| \dots \|\tau_s\|$ holds, $\tau_1, \dots, \tau_s$ being arbitrary elements of K . The following theorem is derived: let τ_ν ($\nu = 0, 1, \dots, q$) and I be such elements of K that

$$\|I\| \leq B, \|\tau_\nu\| \leq B, \|I - \tau_\nu\| \leq A 2^{-\nu \alpha},$$

$$\tau_0 = \tau_0, \tau_\nu = \tau_\nu - \tau_{\nu-1} \quad (\nu \geq 1).$$

Then

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Quadrature and interpolation formulas ...

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B112/B186

$$\|I \dots \Phi I - \sum_{\nu_1 + \dots + \nu_s \geq 1} \theta_{\nu_1} \dots \theta_{\nu_s} \| \langle C(A, B, s, \alpha) q^{s-1} / 2^{\alpha q} \rangle$$

From this theorem consequences are derived concerning quadrature and interpolation formulas for certain classes of functions, e. g.

$W_s(1)$, $E_s(2)$, $H_s(3,4)$.

PRESENTED: August 17, 1962, by A. N. Kolmogorov, Academician

SUBMITTED: August 25, 1962

Card 2/2

SMOLYAK, T.V.

Session of the Kiev Institute of Roentgenology and Oncology concerning
problems in variations in tumors. Medych.zhur. 22 no.2:91-94 '52.
(TUMORS) (MIRA 11:2)

SMOLYAK, V.A., inzh.

Useful manual ("Developments in iron manufacture" by N.Z.Plotkin,
I.M. Galemin, V.I.Loginov, I.N.Kardasevich. Reviewed by V.A.Smoliak).
Metallurg 2 no.12:14 D '57. (MIRA 10:12)

1. Dnepropetrovskiy metallurgicheskiy institut.
(Iron--Metallurgy) (Plotkin, N.Z.) (Galemin, I.M.)
(Loginov, V.I.) (Kardasevich, I.N.)

GRUZINOV, B.K.; SMOLYAK, V.A., inzhener.

"Flow of gases in blast furnaces" by A.N.Chernov, Reviewed by
B.K.Gruzinov, V.A.Smolyak. Stal' 17 no.3:691-692 Ag '57.
(MIRA 10:9)

1. Ural'skiy politekhnicheskiy institut (for Gruzinov). 2. Dnepro-
petrovskiy metallurgicheskiy institut (for Smolyak).
(Blast furnaces) (Gas flow)

AUTHORS: Smolyak, V.A. and Uzlyuk, V.N.

130-58-4-5/20

TITLE: Control of Blast-furnace Operation with the Aid of
Radioactive Isotopes (Kontrol' domennogo proizvodstva s
pomoshch'yu radioaktivnykh izotopov)

PERIODICAL: Metallurg, 1958, Nr 4, pp 7 - 9 (USSR)

ABSTRACT: In the investigation described, carried out under the direction of Professor A.D. Gotlib, Candidate of Technical Sciences, radioactive isotopes were used to study the movement of the fine fractions of the charge and for measuring the depth of the slag layer in the hearth. For the first type of these applications, the two offtakes were provided with counters which, together with photographic film, were placed in thin-walled, water-cooled tubes (Figure 2) and counters were also placed in the dust catchers. By means of special probes, fine fractions of radioactive charge were introduced into the charge column through the holes normally used for pressure measurement at various levels in the furnace, the radioactivity being provided by radioactive-iron and -tantalum preparations. These radioactive charge samples were contained in canvas bags, others being introduced in the free state into the skips for studying the carry-over of fine material during

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130-58-4-5/20

Control of Blast-furnace Operation

charging. Counters were fixed between the throat armouring plates for finding radioactivity above the stockline when this descended below 2 m. During the investigation, the furnace worked smoothly with a burden containing 80% sinter and the results showed that fine material (0 - 1.7 mm) is carried out from considerable depths in the furnace as well as from and above the stockline level, both from the centre and periphery.

For determining the depth of slag in the hearth (diameter 8 200 mm) of a furnace at the imeni Dzerzhinskiy Works, a source of gamma radiation (Co^{60} with an activity of about 200 millicurie) was placed in the water passages of two slag notches and counters in the tuyeres above them (Figure 3). With the aid of a calibration table, the changes in the radioactivity indicated by the counters could be converted into slag layer thicknesses. There was no radioactive hazard for personnel and water-flow was not affected, but the equipment required was somewhat bulky and the authors recommend that portable slag-measuring equipment be designed. There are 3 figures.

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Control of Blast-furnace Operation:

130-58-4-5/20

ASSOCIATION: Dnepropetrovskiy metallurgicheskiy institut
(Dnepropetrovsk Metallurgical Institute) and
TsZL zavoda im. Dzerzhinskogo (im. Dzerzhinskiy Works)

Card 3/3

SMOLYAK, V.A.

Using radioisotopes in measuring slag level in blast furnace hearth.
Bibl. TSNIICM no.5:44-45 '58. (MIRA 11:5)

1. Dnepropetrovskiy metallurgicheskiy institut.
(Radioisotopes--Industrial applications) (Blast furnaces)

SMOLYAK, V.A., inzh.

Investigating the contour of blast furnace oxidizing zones by means of radioisotopes. Izv.vys.ucheb.zav.; chern.met. no.6: 3-14 Je '58. (MIRA 12:8)

1. Dnepropetrovskiy metallurgicheskiy institut.
(Blast furnaces) (Radioisotopes---Industrial applications)

SMOLYAK, V.A., inzh.

Using the method of radioisotopes in investigating the motion and
loss of small fractions of charge materials in blast furnaces.
Biul. TSNIICHM no. 8:22-28 '58. (MIRA 11:7)

(Blast furnaces)
(Radioisotopes--Industrial applications)

SMOLYAK, V.A., inzh.

"Prospects for the expansion of blast furnace processes" by
N.I.Krasavtsev. Reviewed by V.A.Smoliak. Izv.vys.ucheb.zav.;
chern.met. 2 no.6:161-162 Je '59. (MIRA 13:1)

1. Dnepropetrovskiy metallurgicheskiy institut.
(Blast furnaces) (Krasavtsev, N.I.)

SMOLYAK, V. A. Cand Tech Sci -- (diss) "^{burning}~~Combustion~~ of coke and the movement of charge ■ material^s and products of smelting in the lower part of blast furnaces." Dnepropetrovsk, 1959. 19 pp (Min of Higher and Specialized Secondary Education UkSSR. ~~Dnepropetrovsk~~ Order of Labor Red Banner Metallurgical Inst im ~~██████~~ I. V. Stalin. Chair of Metallurgy of Pig Iron), 175 copies (KL, 52-59, 122)

SMOLYAK, V.A., inzh.

"Safety measures in working with radioactive substances"
by V.M.Zlobinskii. Reviewed by V.A.Smoliak. Izv.vys.ucheb.
zav.; chern.met. 2 no.7:157-158 J1 '59. (MIRA 13:2)

1. Dnepropetrovskiy metallurgicheskiy institut.
(Radioactive substances--Industrial applications)
(Radioactivity--Safety measures)

SMOLYAK, V.A., kand.tekhn.nauk; YASHIN, Yu.F., inzh.; UZLYUK, V.N., inzh.;
Prinimali uchastiye: BALYUK, F.B.; KONOVALOV, M.S.; SEL'DYAKOV,
M.I.; TREGUB, N.G.; POLOVCHENKO, Yu.I.; KHODOROVSKIY, S.S.;
CHERNYY, A.A.; YEVSEYEV, A.N.; KOVALENKO, I.A.

Radiometric investigation of blast furnace tuyere zones. Stal'
21 no.9:777-782 S '61. (MIRA 14:9)

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz i Zavod im.
Dzerzhinskogo.

(Blast furnaces)

GNATYUK, K.S., red.; LEVKOVICH, G.A., red.; NAUMENKO, I.A., red.;
PAVLENKO, V.A., kand.sel'skokhoz.nauk, red.; PEREKHREST,
S.M., dotsent, red.; PONOMARENKO, A.I., red.; PRAP'ENKO,
Ye.Ya., red. [deceased]; SMOLYAK, V.V., red.

[Technical information] Tekhnicheskaya informatsiya. Kiev,
1956. 55 p. (MIRA 15:2)

1. Kiev. Ukrainskiy gosudarstvennyy institut po proyektiro-
vaniyu vodokhozyaystvennykh sooruzheniy i sel'skikh elektro-
stantsiy.

(Ukraine--Water resources development)

SMOIYAK, Z.S.

33511

K Klinike Aplasticheskoy Anemii. Trudy Kurskogo Gos. Med. In-Ta, T. 11, Vyp. 2, 1948,
c. 109-13

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Maskva, 1949

LEVITAN, Kh.N., prof.; DMITRIYEVA, V.S., dotsent; SMOLYAK, Z.S., assistant

Clinical and anatomical characteristics of diffuse kidney diseases.
Sbor. trud. Kursk. gos. med. inst. no.13:334-337 '58.

(MIRA 14:3)

1. Iz kliniki fakul'tetskoy terapii (zav. - prof. Kh.N.Levitan)
i kafedry patologicheskoy anatomii (zav. - prof. A.S.Brumberg)
Kurskogo gosudarstvennogo meditsinskogo instituta.
(KIDNEYS—DISEASES)

SMOLYAKOV, A., inzh.

Machine for the manufacture of children's hematogen. Mias. ind.
SSSR 29 no.1:44 '58. (MIRA 11:3)

1. Engel'skiy myasokombinat.
(Hematogen)

AUTHORS: Khakhalin, B.D. (Candidate of Technical Sciences), and
 Smolyakov, A.N. (Engineer). 130-3-13/22
 TITLE: Centrifugal Casting of 50-mm Cast Iron Rising Pipes (Tsentrobez-
 naya otlivka 50-mm chugunnykh napornykh trub).
 PERIODICAL: "Metallurg" (Metallurgist), 1957, No.3, pp.25-27 (U.S.S.R.).
 ABSTRACT: Workers of the All-Union Tube Research Institute together with
 the Makeevskiy Tube-Casting Works have developed a centrifugal
 system of casting 50-mm cast-iron water-conduit tubes. The
 special features of this method are: 1) a very low proportion of
 metal waste, because of the low proportion of rejects and metal
 losses in casting; 2) good mechanical properties of the tubes,
 absence of decarburization and elimination of the need for sub-
 sequent heat-treatment; 3) low consumption of mould mixture in
 connection with the small dimensions of the tubes, and possibi-
 lity of avoiding the use of expensive and quickly wearing dyes;
 4) comparatively simple construction of the centrifugal-casting
 machine, enabling its operation to be fully automated. A type
 UM-50/4 centrifugal casting machine was used. The mould mixture
 is fed in with the mould in the vertical position, centering
 being carried out afterwards. In continuous operation the mould
 is automatically rolled into the machine, brought into rotation
 and manually filled with a measured quantity of liquid cast iron.
 To ensure that the metal quickly distributes itself over the
 whole mould the machine is inclined at 1.5° to the floor.

Card 1/2

The experience at the Makeevskiy Works was taken into account

KHAKHALIN, B.D.; FURS, B.A.; GORA, A.M.; SMOLYAKOV, A.N.

Centrifugal pipe casting. Lit. proizv. no.1:27-28 Ja '58.
(Centrifugal casting) (MIRA 11:2)

SOV/130-58-9-23/23

AUTHORS: Konstantinov, L.S. and Khakhalin, B.D., Candidates of Technical Sciences and Smolyakov, A.N., Engineer

TITLE: Centrifugal Casting of ~~Cast-iron Tubes~~ in the Chinese People's Republic (Tsentrobezhnaya otlivka chugunnykh trub v Kitayskoy Narodnoy Respublike)

PERIODICAL: Metallurg, 1958, Nr 9, pp 38 - 39 (USSR)

ABSTRACT: In the tube mill of the An'shan Metallurgical Combine, cast-iron water pipes 200-600 mm in diameter are cast centrifugally. The moulds are made on a special installation (Figure 1). Separate machines are used for casting pipes 200 and 250 mm in diameter (Figure 2) and those 300-600 mm in diameter (Figure 3). The authors outline the practice and tabulate the durations of the operations for pipes of various diameters. The inner surface of the pipes is cleaned with an emery wheel. There are 4 figures and 1 table.

Card 1/1 1. Pipes--Casting 2. Cast iron--Applications 3. Centrifuges
 --Applications

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18(5)

SOV/128-52-6-12/25

AUTHOR: Khakhalin, B.D., Candidate of Technical Sciences,
Smolyakov, A.N., and Iskra, B.A., Engineers

TITLE: On the Question of Unequal Wall Thickness of Centrifugally Cast Pipes

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 6, pp35 - 37 (USSR)

ABSTRACT: Presently, two basic pouring methods (for centrifugal casting of cast iron water pipes) are used: sand molds and chilled metal dies. When pouring metal dies, the walls of the pipes differ in their thickness, those differences being greater than when pouring in sand molds. Probably this has been generated either by the imperfect casting method or by the imperfection of the pipe spinning machine. The author made one experiment to cast pipes of 300 mm in diameter on a pipe spinning machine type NIILITMash, 5.430 mm model, to determine the influence of the technological and the constructive factors on the thickness of the walls of the pipes. A typical result of the 37 tests made was that the

Card 1/2

GOV/128-50-6-12/25

On the Question of Unequal Wall Thickness of Centrifugally Cast Pipes

thickness of the walls was thinner at the funnel-shaped openings and at the smooth ends of the pipes, than at the center or half-length. Three tables list the results gained on various wall thickness. These results are to be explained by the difference in speed of the rotations, by the difference in spreading the liquid metal, and by the irregular flow of the metal (controlled upon estimation by sight). Based upon these tests, a table had been established serving as a practical guide when centrifugally casting water pipes. It establishes the different thicknesses of the wall (given in mm) by the variation of the speed of the pipe spinning machine (given in m/sec) for the distance (given in meter) from the funnel-shaped opening to the smooth end of the pipe. To achieve this relation in a mechanical way the authors designed a spinning machine with hydraulic control regulating the flow of the liquid metal according to the speed of the pipe spinning machine. There are 6 graphs, 2 diagrams, and 7 tables

Card 2/2

KHAKHALIN, B.D.; SMOLYAKOV, A.N.

Quality of the external surface of cast iron water pipes. Lit.
proizv. no.3:6-7 Mr '61. (MIRA 14:6)
(Iron founding--Quality control)
(Pipe, Cast iron)

KAMENSHTEYN, S.D.; SMOLYAKOV, A.N.; DRUZHININ, V.F.

Casting threaded clutches in one-piece chills. Lit.proizv. no.11:42
N '61. (MIRA 14:10)

(Die casting) (Clutches (Machinery))

SMOLYAKOV, A.N.

Technical terminology. Lit. proizv. no.8:43-44 Ag '62.
(MIRA 15:11)
(Founding--Terminology)

SMOLYAKOV, A.N.; IL'ICHEV, S.A.

Contact thermocouple. Lit.proizv. no.4:44 Ap '63. (MIRA 16:4)
(Thermocouples)

KHAKHALIN, B.D., kand. tekhn. nauk; SMOLYAKOV, A.N., inzh.; SHIYAN, V.G.,
inzh.; SEMKO, V.I., inzh.

Improving the process of centrifugal casting of cast-iron pipes.
Mashinostroenie no.5:64-68 S-O '63. (MIRA 16:12)

1. Ukrainskiy nauchno-issledovatel'skiy trubnyy institut.

KOPEL'YAN, I.E.; SEMENOV, L.A.; SMOLYAKOV, A.N.

Improving the molding process on punch-auger machines. Lit.
proizv. no.8:12-13 Ag '63. (MIRA 16:10)

SMOLYAKOV, A.N.; SHIYAN, V.G.

Avoiding defects in cast iron pipe. Lit. proizv. no.10:10-11
0 '63. (MIRA 16:12)

VOROB'YEV, I.A., inzh.; SEMENOV, I.A., inzh.; SMOLYAROV, A.N., inzh.

Vibration of centrifugal pipe-casting machines.
Mashinostroenie no.4:91-92 J1-Ag '64.

(MIRA 17:10)

ANDREYEV, N.K.; BLYUDZE, Yu.G.; DOKUCHAYEV, O.N.; PETROVSKY, V.S.;
SMOLYAKOV, A.V.; TKACHENKO, V.M. (Leningrad)

"Study of the main properties of pseudo-sound sources of turbulent noise".

report presented at the 2nd All-Union Congress on Theoretical and Applied
Mechanics, Moscow, 29 January - 5 February 1964

SMOLYAKOV, B.

Meeting of workers in turpentine. Gidroliz. i lesokhim.prom. 9
no.1:18 '56. (MLBA 9:6)
(Turpentine industry--Congresses)

SMOLYAKOV, B.

Records on raw materials and quality standards in the hydrelisis industry.
Gidroliz.1 lesokhim.prom.9 no.2:23 '56. (MLRA 9:7)
(Hydrelisis)

SMOLYAKOV, B.L.

Conference on problems relative to the development and improvement of the rosin extraction industry. Gidroliz.i lesokhim.prom.
9 no.5:28 '56. (MLRA 9:11)
(Gums and resins)

SMOLYAKOV, B.L.

Using waste products. Nauka i zhizn' 23 no.5:50 '56. (MLBA 9:8)
(Sulfites)

SMOLYAKOV, B.L.

Utilizing wood wastes. Nauka i zhizn' 23 no.7:53 J1 '56.
(Wood waste) (MLRA 9:9)

SMOLYAKOV, B.I.

Meeting of key personnel of woodpulp and paper plants of the
Kaliningrad Economic Council. Bum. prom. 33 no. 4:30-31 Apr '58.
(Woodpulp industry—Congresses) (MIRA 11:4)
(Paper industry—Congresses)

SMOLYAKOV, B.

Conference on some aspects of the economics of hydrolysis
industries. "Gidroliz. i lesokhim. prom. 14 no. 1:30-31 '61.
(MIRA 14:1)

(Hydrolysis--Congresses)

(Wood--Chemistry)

EFIS, Yu.D., red.; SNOLYAKOV, B.L., red.

[Advanced practices in the improvement of technique and technology in the woodpulp, hydrolysis, and wood chemicals industry] Peredovyi opyt sovershenstvovaniia tekhniki i tekhnologii v tsellulozno-bumazhnom, gidroliznom i lesokhimicheskom proizvodstve. Moskva, Goslesbumizdat, 1963. 61 p. (MIRA 17:5)

1. Nauchno-tekhnicheskoye obshchestvo bumazhnoy i derevoobrabatyvayushchey promyshlennosti. Tsentral'noye pravleniye.

SMOLYAKOV, B.L.

Coordination Council on the Production of Furfurol and Polyhydric
Alcohols. Gidroliz. i lesokhim. prom. 16 no.5:28-30 '63.
(MIRA 17:2)

SMOLYAKOV, B.N., kand. tekhn. nauk

It is inefficient to discontinue the use of knees. Sudostroenie
19 no. 9-11-73 S '63. (MIRA 16:11)

SMOLYAKOV, B. N.

30481

Ratsionalnaya zatsiya korpusa I uluchsheniye poguzochno-razguzochnykh
operatsiy. Ryech. transport, 1949, No 5, S. 11-14-Prodolz,
slyeduyet.

SC: Letopis' No. 34

SMOLYAKOV, B. V.

36827. Ratsionalizatsiya korpysa i uluchsheniye pogrupochno-pazgrupochnykh operatsiy.
Pech. Izdaniye, 1949, No. 4, s. 7-8--Okonchaniye. Kachalo: No. 3

iz: Izdaniye "Izvestiya" No. 50, Moskva, 1949

SMOLYAKOV, B.N., kandidat tekhnicheskikh nauk, dotsent.

Approximate method of calculation in designing ship hulls for
inland navigation. Trudy VNITOSS 6 no.1:31-50 '53. (MLRA 9:11)

(Hulls (Naval architecture))

SMOLYAKOV, B.N., kandidat tekhnicheskikh nauk, dotsent.

Investigation of a new frame design for petroleum tankers.
Trudy GIIVT no.12:118-135 '54. (MLRA 10:2)

(Tank vessels)

SMOLYAKOV, B., kandidat tekhnicheskikh nauk.

On the strengthening of ships for sailing on water storage lakes.
Mor. i rech.flot 14 no.10:17-22 0 '54. (MIRA 7:11)
(Shipbuilding)

Смольяков Б.Н.
SMOLYAKOV, B.N. dotsent kandidat tekhnicheskikh nauk

Design of practical ship structures using steel of great strength..
Rech.transp.14 no.8:22-25 Ag'55. (MLRA 8:11)
(Ships, Iron and steel)

SMOLYAKOV, V.N., kand.tekhn.nauk.

Use of corrugated structures in ship hulls. Rech.transp. 16
no.10:22-26 0 '57. (MIRA 10:12)
(Bulkheads (Naval architecture))

SOV/124-58-8-9240

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 129 (USSR)

AUTHOR: Smolyakov, B.N.

TITLE: The Strength of Ship Structures That are Partly Welded and Partly Riveted (Prochnost' klepano-svarnykh sudovykh konstruktsiy)

PERIODICAL: Tr. Gor'kovsk. in-ta inzh. vodn. transp., 1957, Nr 14, pp 25-49

ABSTRACT: On the basis of model tests the author plots a graph of a "strength-efficiency coefficient" of a ship structure as a function of the ratio of the cross-sectional area of the riveted portion to the entire cross-sectional area of the model, which has a double-row butt joint. The models used were tensile-tested to destruction. The author proposes that the stresses permissible for an all-welded ship be multiplied by the strength-efficiency coefficient evolved by him and that the resultant reduced stresses be adopted as the permissible stresses for a riveted ship reinforced with welded connections. The conclusion reached by the author is not clear to the reviewer, since over-all failure occurs by compressive buckling. The

Card 1/2

SOV/124-58-8-9240

The Strength of Ship Structures That are Partly Welded (cont.)

theoretical reasoning of the author, based on his analysis of the working of the schematic structure examined by him, is unconvincing.

A.A. Kurdyumov

Card 2/2

137-58-4-8335

Translation from: Referativnyy zhurnal, Metallurgiya 1958. Nr 4 p 289 (USSR)

AUTHORS: Komandin, N.L., Smolyakov, B.N.

TITLE Shipbuilding Applications of High Strength Steels (Primeneniye staley povyshennoy prochnosti v sudostroyenii)

PERIODICAL: Tr. Gor'kovsk. in-ta inzh. vodn. transp., 1957. Nr 14.
pp 62-75

ABSTRACT: The properties of MK steel of the % composition C 0.09-0.12, Si 0.7-1.2, Mn 1.0-1.6, and Cu 0.2-0.5 were investigated relative to its use in shipbuilding in the place of SKhL-1 and St. 3 steels. Testing of >2000 specimens cut from plates of different thicknesses along and across the direction of rolling have shown MK steel to have superior plastic properties than St. 3 steel, lower notch and aging sensitivity, better corrosion strength in sea and river water and in a mixture of 20% benzene and 80% sea water, and superior weldability. The building of a seagoing ship of MK steel saved 26.5% in weight; a 17.6% weight saving was attained in the building of a river vessel. V. L.

Card 1/1 1. Ship hulls--Materials--Effectiveness 2. Steel--Mechanical properties 3 Steel--Applications

SMOLYAKOV, B.N., kandidat tekhnicheskikh nauk.

Reducing the weight of ship hulls depending on the yield points
of steel. Sudostroenie 23 no.4:1-4 Ap '57. (MLRA 10:5)
(Hulls (Naval architecture))

SMOLYAKOV, B.N., kand. tekhn. nauk, dots.

Effect of the yield point of shipbuilding steels on lowering
the hull weight of ships used in inland water transportation.

Rech. transp. 17 no. 7:32-33 J1 '58.

(MIRA 11:8)

(Steel, Structural)

(Hulls(Naval architecture)

SMOLYAKOV, B.N., kand. tekhn. nauk

Calculating the strength of reinforced-concrete ship structures
according to the actual stages of stressed state. Rech. transp. 18
no.4:27-30 Ap '59. (MIRA 13:1)
(Strains and stresses) (Ships, Concrete)

SMOLYAKOV, B.N., kand.tekhn.nauk

Determining minimum thickness for ship skins made of high-strength
steel. Sudostroenie 25 no.2:7-10 F '59. (MIRA 12:4)
(Hulls (Naval architecture))